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yellow colour. Upon the internal surface of these rings there is spread a layer of a peculiar soft yellow substance, which has been compared to paste, but by examination with a lens I found it to be organized like the common interstitial substance of the insect's body, except that it is of a closer texture, and a paler yellow colour. This substance does not entirely cover the inner surface of the rings, being more or less deficient along their edges, where it presents an irregular waving outline. I have observed in the glow-worm that it is absorbed, and its place supplied by common interstitial substance, after the season for giving light is past.

The segments of the abdomen, behind which this peculiar substance is situated, are thin and transparent, in order to expose the internal illumination.

The number of luminous rings varies in different species of *lampyris*, and, as it would seem, at different periods in the same individual.

Besides the luminous substance above described, I discovered in the common glow-worm, on the inner side of the last abdominal ring, two bodies, which to the naked eye ap-

pear more minute than the head of the smallest pin. They are lodged in two slight depressions, formed in the shell of the ring, which is at these points particularly transparent. On examining these bodies under the microscope I found that they were sacs containing a soft yellow substance, of a more close and homogeneous texture than that which lines the inner surface of the rings. The membrane forming the sacs appeared to be of two layers, each of which is composed by a transparent silvery fibre, in the same manner as the internal membrane of the respiratory tubes of insects; except that in this case the fibre passes in a spiral instead of a circular direction. This membrane, although so delicately constructed, is so elastic as to preserve its form after the sac is ruptured and the contents discharged.

The light that proceeds from these sacs is less under the controul of the insect than that of the luminous substance spread on the rings: it is rarely ever entirely extinguished in the season that the glow-worm gives light, even during the day; and when all the other rings are dark, these sacs often shine brightly.

LIST OF NEW PUBLICATIONS.

AGRICULTURE.

A HISTORY of British Implements and Machinery, applicable to Agriculture; by W. Lester, engineer, price 1*l.* 11*s.* 6*d.* bds.

BIOGRAPHY.

The Life of Lord Viscount Nelson, of the Nile, &c. by Mr. Harrison, in 2 volumes, enriched with a beautiful portrait of the Hero, painted by Sir Wm. Beechey, R. A. price *£*1. 3*s.*

HISTORY.

The Chronicles of Enguerrard de Monstrelet; translated by Thos. Johnes, esq. in 12 vols. 8vo. with plates, price *£*7. 4*s.* bds.

The Historie of Cambria, now called

BELFAST MAG. NO. XXXIII.

Wales; by Humphry Lloyd; corrected, arranged, and continued, by David Powell, in 1584, price *£*2. 12*s.* 6*d.*

LAW.

Doubts upon the Reasoning of Dr. Paley, relative to, and observations on, the criminal law; by R. G. Arrowsmith, price 2*s.* 6*d.*

The nature and practice of Real Actions in their Writs and Process, both original and judicial; by G. Booth, esq. price 16*s.* bds.

Principia Legis & Refinitales; a collection of Maxims, Principles, or Rules, Definitions, and Memorable Sayings, in Law and Equity; by Thos. Branch, esq. price 5*s.* boards.

V u

A Practical Treatise on the Power and Duties of Juries, and on the Criminal Law of England; by Sir Richard Phillips, Knt. price 8s. bds.

MISCELLANIES.

A Letter to Henry Cline, esq. on imperfect development of the faculties, mental and moral, as well as constitutional and organic; and on the treatment of impediments, &c. by John Thelwall, esq. price 5s.

Elements of the Science of War; by William Muller, lieutenant of the King's German engineers, price 3l. 3s. bds.

Cottage Dialogues among the Irish peasantry; by Mary Leadbeater, with notes and a preface by Maria Edgeworth, price 6s. bds.

A Letter to John Theodore Koster, esq. on the depreciation of Bank-notes, price 2s. 6d.

Ostell's New General Atlas, containing distinct Maps of all the principal States and Kingdoms throughout the World, price 18s. half bound.

Literary Recreations; or Moral, Historical, and Religious Essays; by Henry Card, A. M. of Pembroke College, Oxford, 2d edition, corrected and enlarged, price 7s. 6d. boards.

Political Essay on the Kingdom of New Spain; by Alexander de Humboldt, price 1l. 18s. bds.

Proposals, with the Measures and Plan detailed, for Rectifying Public Affairs, and Private Grievances, and Instituting the Happy and Divine Order of Things, intended for Mankind; by George Edwards, esq. M.D. price 1l. 1.

The Farmer's Magazine, No. 45. price 3s. sewed.

Literary Information; consisting of instructive anecdotes, explanations, and derivations, calculated to instruct and improve the opening mind; by Mrs. Hedge-land, price 4s. 6d. bound.

An accurate Report of the Trial of Mr. Drakard, the proprietor of the Stamford News, for publishing an article on Military Punishments, price 1s.

A Report (taken in short-hand) of the trial of Messrs. Hunts, proprietors of the Examiner, for a libel.

The Juvenile Library; containing Prince Dorus, or flattery put out of countenance. Beauty and the Beast; or a rough outside with a gentle heart, price 2s. 6d.

History of the Reformation in Scotland; by George Cook, D.D. price 1l. 11s. 6d.

Microcosmography; or, A piece of the

World discovered; by John Earle, D.D. price 10s. 6d.

Peregrinations of the Mind, through the most interesting subjects usually agitated in Life; by the late Wm. Baker, printer; to which is prefixed a Biographic Memoir of the Author, price 6s.

The British Constitution analyzed, by a reference to its History; by a Doctor of Laws, price 6s. boards.

Letter to the Right Honorable Henry Grattan, on the Deplorable consequence resulting to Ireland from the very low price of spirituous liquors, price 1s.

The Annual Racing Calendar; by W. Pick, 25th volume, for 1810, price 7s. boards.

M. Genel; or a Selection of Letters on Life and Manners; by the Rev. John Muckersy, price 8s. boards.

The Impartial Life of Napoleon Bonaparte; by William Van Ess, in 4 vols. with upwards of 50 portraits of French Generals, price 2l. 10s.

Guy's Pocket Cyclopædia; or Miscellany of Useful Knowledge, from the latest and best Authorities, designed for Senior Scholars in Schools, price 7s. bds.

MEDICINE AND SURGERY.

An Enquiry into the Nature, Causes, and Cure of Hydrothorax; by L. Maclean, M.D. price 12s. boards.

The Edinburgh Medical and Surgical Journal, No. 26. price 3s. sewed.

NOVELS AND ROMANCES.

The Missionary, an Indian Tale, by Miss Owenson, in 3 volumes, with a portrait of the author; price 1l. 2s. 9d.

The Loves of Celestine and St. Aubert; by Charles Phillips, A.B. price 10s. 6d.

The Times; a novel, in 2 volumes, price 10s.

Fitz-Edward; or the Cambrians; by Emma de Lisle, price 15s.

Anne of Brittany; an Historical Romance, 3 vols. price 13s. 6d.

Gothio; or the Memoirs of the Wurtzburgh Family; by Mrs. S. 2 vols. price 19s. boards.

POETRY.

Poems, by Elijah Barwell Impey, esq. price 8s. boards.

Calcutta, a poem with notes, price 5s.

PLAYS.

Ourselves, a comedy; by Miss Chambers, price 2s.

The Peasant Boy; an opera.

Gustavas Vasa; the Hero of the North.

The School for Friends, a comedy; price 2s. 6d.

The Dramatic Mirror; containing the

Progress of the English Stage from the days of Julius Cæsar to the present time, 2 vols. 17. 2s. 9d. bds.

THEOLOGY.

Discourses on the Providence and Government of God; by the late Rev. Newcombe Cappe, price 3s. 6d. boards.

A Calm Inquiry into the Scripture Doctrine concerning the person of Christ; by Thos. Beisham, price 14s boards.

BOOKS PUBLISHED IN IRELAND.

A. Report of the Trials of the Cara-

vats and Shanavests, at the special commission, for the several counties of Tipperary, Waterford, and Kilkenny, Taken in short-hand by Randall Kernan, esq. barrister at law, price 5s.

Observations on the Diseases of the Liver, by Thomas Mills, M.D. price 3s. 4d.

On the 10th April, was published, price 5s. 5d. Wild Flowers of Erin; or Miscellaneous Poems; by John Murphy. Printed by R. Coyne, Dublin.

MONTHLY RETROSPECT OF POLITICS.

"Why must we always impose on ourselves the necessity of passing through war to arrive at peace? the attainment of which is the end of all wars, and is a plain proof that recourse is to be had to war only for want of a better expedient. Nevertheless, we have so effectually confounded this truth, that we seem to make peace only that we may again be able to make war."

SULLY'S MEMOIRS.

THE late accounts from Spain and Portugal, the narrow escape of General Graham from the treachery and cowardice of his allies, and the retreat of Massena, have furnished topics during this month to revive the spirits of those, who, in their ardour for war, and in their zeal to oppose Bonaparte, overlook more remote consequences. The retreat of Massena has led the British again from their strong position near Lisbon, and from their shipping, whence they derived their supplies. To augur least despondingly, we cannot reasonably expect that they will do more than maintain their position on the borders of Spain, till the disposer of the mighty military power of France arranges his plan, and sends a portion of his great engine of oppression and misery, (for such standing armies, and a military despotism may be justly so considered,) to attempt to regain complete possession of the peninsula; an attempt in which, it must be confessed, he has

been heretofore repeatedly foiled. But the British nation has lost an immensity of blood and treasure in their scheme to support the inhabitants of those countries, who in general show no attachment to them, as allies and defenders, and are very far from acting with vigour in a cause, which they feel to be their own. The retention of some positions in Spain and Portugal cannot be of much consequence in a military point of view, unless the British have the mass of the population on their side. The inhabitants are most probably indifferent to either invading army, and are at a loss to distinguish between enemies and supposed friends. Both armies have in their respective retreats desolated the unhappy countries. The papers are now filled with the most distressing accounts of plunder and French cruelty. Probably many of these accounts are true; but let us recollect that these same prints a few months ago, glossed over the conduct of the British army in their retreat on Lisbon, and complacently told us that the destruction of the country was necessary to distress the enemy, and prevent his procuring supplies. The strictly impartial moralist condemns alike the excesses on every side, and sighs over the miseries ever inflicted on the inhabitants of an in-